

THRU : Chief, S/I/
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Standing Requirements Chinese Communist Cement Industry

1. The following requirements are presented for collection effort by appropriate agencies. They represent ORR's current requirements with regard to the Chinese Communist Cement Industry.

2. Requirements

a. Product quality and types

There are two aspects of the problem of quality in cement production in Communist China: (1) mixed cement, an adulterated ordinary cement, and (2) cement produced below the standard specified for the particular type.

Since mixed cement, being of lower structural strength than ordinary or portland cements, cannot be used safely for all types of construction work where ordinary cement might be used, but can be used for foundation work, flooring, etc., it is important to know how much mixed cement is being and has been produced. In addition, it is important to know how much of the tonnage produced nationally, as derived from official Chinese Communist claims, is mixed and how much is ordinary cement.

or

Improperly proportioned cement/improperly baked cement loses much of its tensile strength and may be unusable, or may set too quickly and become unusable.

Therefore, it is essential to know how much of the cement produced is substandard (unusable), and how much of unusable cement is counted into the national production figures.

Requirements in regard to quality of cement are in summary:

(1) Mixed cement- an adulterated ordinary cement

(a) How much of given types is produced?

(b) What proportions of aggregate cement production figures are of mixed cements and/or ordinary cements

(2) Substandard (unusable) cement

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- (a) How much substandard cement is produced?
- (b) Is substandard cement included in production figures?

- b. Machinery and equipment for cement plants
 - (1) Source of supply of machinery and equipment installed, 1949 through the present.
 - (a) Manufactured in China
 - (b) Manufactured outside of China
 - (2) Plans for future sources of machinery and equipment
 - (a) To be manufactured in China
 - (b) To be imported
 - (3) Cost of machinery and equipment
 - (a) Cost of complete cement plant equipment
 - 1. Total cost, including transport
 - 2. Cost f.o.b. to border of exporting country
 - (b) Cost of separate items of machinery and equipment
 - (4) Production capacity of complete cement plant machinery and equipment
 - (5) Specifications
 - (a) Ball mills
 - 1. Dimensions, i.e., diameter, cylinder length
 - 2. Weight
 - 3. Other manufacturers specifications
 - (b) Crushers
 - 1. Type-i.e., jaw, cone-type, roll
 - 2. Capacity(output - jaw dimensions)

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2. Use- primary or secondary
4. Other manufacturers specifications
- c. Individual cement plants
 - (1) Location
 - (2) Production data
 - (3) Production capacity data
 - (4) Operating rate (rate at which production capacity is utilized in production)

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